



Medium-Term Planning

Subject: Computing



Term and Year:	Autumn Term, second half 2021		
Teacher:	Mr. Churchill		
Subject:	Computing		
Key Themes:	Creating music – Sonic Pi		
Memorable Experience:	Web Quest activity		
Vocabulary that will be taught:	Coding Live loops	De-bugging	Programming looping
<u>National Curriculum Objectives:</u>			
<u>Key Stage Two:</u>			
<ul style="list-style-type: none"> • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content • select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information • use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 			
<u>Computing Skills that will be taught and assessed:</u>			
<u>Sound and Music:</u>			
<ul style="list-style-type: none"> • Create and share more sophisticated podcasts and consider the effect that their podcasts will have on the audience. 			
Focus of each lesson 'Can I...' Statement(s)		Activities/Key points	

Lesson 1	<p><u>Learning Objective:</u> Can I use de-bug a program?</p> <p><u>Success Criteria:</u> I can fix the code of a program.</p>	Children to be introduce to Sonic Pi. In this lesson, the children will explore the program and learn how to de-bug it accurately.
Lesson 2	<p><u>Learning Objective:</u> Can I create a piece of music?</p> <p><u>Success Criteria:</u> I can use Sonic Pi and 'looping' to create music.</p>	Children to be asked to use Sonic Pi to create a piece of music using looping. This music will be created in response to a specific stimulus and theme.
Lesson 3	<p><u>Learning Objective:</u> Can I create a soundtrack?</p> <p><u>Success Criteria:</u> I can use a film stimulus and create a musical story.</p>	Children will watch a film stimulus and they will use this to create a soundtrack. The children will focus on emotive music and how to create this using Sonic Pi.

Lesson 4	<p><u>Learning Objective:</u></p> <p>Can I create music?</p> <p><u>Success Criteria:</u></p> <p>I can use 'live loops' to create a piece of music.</p>	<p>Children to create music, using live looping, using Sonic Pi. The live loops will create a beat and a rhythm.</p>
Lesson 5	<p><u>Learning Objective:</u></p> <p>Can I adapt my code to create music?</p> <p><u>Success Criteria:</u></p> <p>I can change my code to create different musical effects.</p>	<p>Children will perform a 'Battle of the Bands'. The children will play their respective music and alter it in response to other music.</p>